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(NE)  
J. Scott  
12/10/02

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**Patent Application**

**Inventor(s):** George Earl Peterson      **Case:** 18

**Serial No.:** 09/915,963      **Filing Date:** July 26, 2001

**Examiner:** Shih Chao Chen      **Group Art Unit:** 2821

**Title:** Broadband Polling Structure

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**THE COMMISSIONER OF PATENTS AND TRADEMARKS  
WASHINGTON, DC 20231**

TECHNOLOGY CENTER 2800

SIR:

**AMENDMENT AFTER FINAL REJECTION**

In response to the FINAL Office action of September 26, 2002, please amend the above-identified application as follows:

**IN THE CLAIMS**

**Replacement claim 1:**

1. An antenna structure comprising:
  2. at least one antenna element, the at least one antenna element having at least one taper; and
  4. a symmetrical, finite ground plane coupled with the at least one antenna element.

**Replacement claim 11:**

1. An antenna structure comprising:
  2. an array of at least two antenna elements, each antenna element having at least one taper;
  4. a symmetrical, finite ground plane; and
  5. an unbalanced impedance for coupling the array of at least two antenna elements with the symmetrical ground plane.

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